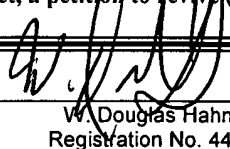


FORM PTO 1390 (REV 5-93)      U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		<b>ATTORNEY DOCKET NUMBER</b> 2006_0872A
<b>TRANSMITTAL LETTER TO THE UNITED STATES          DESIGNATED/ELECTED OFFICE (DO/EO/US)          CONCERNING A FILING UNDER 35 U.S.C. §371</b>		<b>U.S. APPLICATION NO.</b> (if known, use PCT/RO/US) <b>107582999</b> NEW
<b>International Application No.</b> PCT/JP2004/019110	<b>International Filing Date</b> December 21, 2004	<b>Priority Date Claimed</b> December 26, 2003
<b>Title of Invention</b> PRIME CALCULATING APPARATUS, KEY ISSUING SYSTEM, AND PRIME CALCULATION METHOD		
<b>Applicant(s) For DO/EO/US</b> Yuichi FUTA et al.		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. §371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. §371.</li> <li>3. <input checked="" type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. §371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. §371(b) and PCT Articles 22 and 39(1).</li> <li>4. <input type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. §371(c)(2))             <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau). <b>ATTACHMENT A</b></li> <li>b. <input type="checkbox"/> has been transmitted by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US)</li> </ol> </li> <li>6. <input checked="" type="checkbox"/> A translation of the International Application into English (35 U.S.C. §371(c)(2)). <b>ATTACHMENT B</b></li> <li>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. §371(c)(3)).             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau).</li> <li>b. <input type="checkbox"/> have been transmitted by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19.</li> <li>9. <input checked="" type="checkbox"/> An executed oath or declaration of the inventor(s) (35 U.S.C. §371(c)(4)). <b>ATTACHMENT C</b></li> <li>10. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. §371(c)(5)).</li> </ol>		
<b>Items 11. to 14. below concern other document(s) or information included:</b>		
<ol style="list-style-type: none"> <li>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. <b>ATTACHMENT D</b></li> <li>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>13. <input checked="" type="checkbox"/> A <b>FIRST</b> preliminary amendment. <b>ATTACHMENT E</b> <ol style="list-style-type: none"> <li><input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.</li> </ol> </li> <li>14. <input checked="" type="checkbox"/> Other items or information:             <ul style="list-style-type: none"> <li>• Letter Re Proposed Drawing Amendments. <b>ATTACHMENT F</b></li> <li>• Submission of Replacement Formal Drawings. <b>ATTACHMENT G</b></li> <li>• Form PCT/IB/304. <b>ATTACHMENT H</b></li> </ul> </li> </ol>		

THE COMMISSIONER IS AUTHORIZED  
 TO CHARGE ANY DEFICIENCY IN THE  
 FEES FOR THIS PAPER TO DEPOSIT  
 TO CHARGE ANY DEFICIENCY IN THE  
 FEES FOR THIS PAPER TO DEPOSIT  
 115054001 NO 23-0975

U.S. APPLICATION NO. <b>10/582999</b> NEW		INTERNATIONAL APPLICATION NO. PCT/JP2004/019110		ATTORNEY'S DOCKET NO. 2006_0872A	
15. <input checked="" type="checkbox"/> The following fees are submitted				CALCULATIONS	PTO USE ONLY
Basic National Stage Fee ..... \$300.00 National Stage Search Fee (International Search Report provided - 37 CFR 1.492(b)(2)) ..... \$400.00 National Stage Examination Fee ..... \$200.00 Specification/drawings in excess of 100 pages (3 units of 50 x \$250.00) = ..... \$750.00					
<b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>				\$1,650.00	
Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				\$	
Claims	Number Filed	Number Extra	Rate		
Total Claims	36 - 20 =	16	X \$50.00	\$800.00	
Independent Claims	4 - 3 =	1	X \$200.00	\$200.00	
Multiple dependent claim(s) (if applicable)			+ \$360.00	\$	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$2,650.00	
<input type="checkbox"/> Small Entity Status is hereby asserted. Above fees are reduced by 1/2.				\$	
<b>SUBTOTAL =</b>				\$2,650.00	
Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				+	\$
<b>TOTAL NATIONAL FEE =</b>				\$2,650.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property +				\$	
<b>TOTAL FEES ENCLOSED =</b>				\$2,650.00	
				Amount to be refunded	\$
				Amount to be charged	\$
a. <input checked="" type="checkbox"/> A check in the amount of <u>\$2,650.00</u> to cover the above fees is enclosed. A duplicate copy of this form is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account No. 23-0975 in the amount of \$_____ to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>23-0975</u> .					
<b>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</b>					
19. CORRESPONDENCE ADDRESS   <div style="text-align: center;">           CUSTOMER NO.  <b>52349</b> </div>			By:  W. Douglas Hahm, Registration No. 44,142  WENDEROTH, LIND & PONACK, L.L.P. 2033 "K" Street, N.W., Suite 800 Washington, D.C. 20006-1021 Phone: (202) 721-8200 Fax: (202) 721-8250  June 14, 2006		

[CHECK NO. 74579]  
 [2006\_0872A]

10/582999

AP20 Rec'd PCT/PTO 14 JUN 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of :  
Yuichi FUTA et al. : **Mail Stop: PCT**  
Serial No. NEW : Attorney Docket No. 2006\_0872A  
Filed June 14, 2006 :

PRIME CALCULATING APPARATUS, KEY  
ISSUING SYSTEM, AND PRIME  
CALCULATION METHOD  
[Corresponding to PCT/JP2004/019110  
Filed December 21, 2004]

THE COMMISSIONER IS AUTHORIZED  
TO CHARGE ANY DEFICIENCY IN THE  
FEES FOR THIS PAPER TO DEPOSIT  
ACCOUNT NO. 23-0975

**LETTER RE PROPOSED DRAWING AMENDMENTS**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

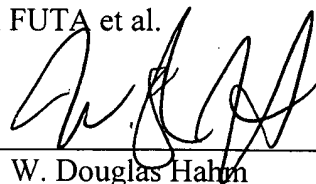
Enclosed herewith is a photocopy of Fig. 45 marked in red to indicate proposed drawing amendments thereto.

The Examiner is requested to approve such proposed drawing amendments. Formal drawings incorporating the amendments shown in the attached photocopy are also being submitted herewith.

Respectfully submitted,

Yuichi FUTA et al.

By



W. Douglas Hahn  
Registration No. 44,142  
Attorney for Applicants

WDH/ck  
Washington, D.C. 20006-1021  
Telephone (202) 721-8200  
Facsimile (202) 721-8250  
June 14, 2006

ATTACHMENT F

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of :  
Yuichi FUTA et al. : **Mail Stop: PCT**  
Serial No. NEW : Attorney Docket No. 2006\_0872A  
Filed June 14, 2006 :  
PRIME CALCULATING APPARATUS, KEY  
ISSUING SYSTEM, AND PRIME  
CALCULATION METHOD  
[Corresponding to PCT/JP2004/019110  
Filed December 21, 2004] :  
THE COMMISSIONER IS AUTHORIZED  
TO CHARGE ANY DEFICIENCY IN THE  
FEE FOR THIS PAPER TO DEPOSIT  
ACCOUNT NO. 23-0975.

SUBMISSION OF REPLACEMENT FORMAL DRAWINGS

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

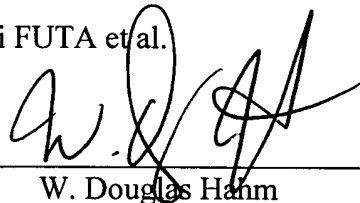
Sir:

Attached hereto is 1 sheet of formal (A4) drawings (Fig. 45) as discussed in the remarks of the Amendment and shown in the Letter Regarding Proposed Drawing Amendment.

Respectfully submitted,

Yuichi FUTA et al.

By:



W. Douglas Hamm  
Registration No. 44,142  
Attorney for Applicants

WDH/ck  
Washington, D.C. 20006-1021  
Telephone: (202) 721-8200  
Facsimile: (202) 721-8250  
June 14, 2006

ATTACHMENT G